Subject: 3pi
Posted by lee h on Mon, 14 Sep 2009 15:18:22 GMT
View Forum Message <> Reply to Message

Hi,

What would be the realistic minimum room size for the 3pi's?

Many Thanks,

Lee

Subject: Re: 3pi
Posted by Wayne Parham on Tue, 15 Sep 2009 02:56:27 GMT
View Forum Message <> Reply to Message

of any room dimension, really for just about any loudspeaker. Probably nothing smaller than 100 sq. feet with standard eight foot ceilings. I'd much rather see the room be at least twice this big, better still three or four times.

The problem with most rooms in this size range isn't so much with the mains as it is with the subs. You should use multiple subs to smooth room modes.

The smaller the room, the higher the Schroeder frequency, meaning room modes are a problem at higher frequencies. Very small areas like closets, halls and bathrooms are an example, having modes that cause peaks and valleys well into the midrange. There's nothing you can do with that. But once you get bigger than about eight feet in the shortest dimension, the modes start moving down from the midrange into the midbass and bass range. To tell the truth, it kind of works out because in too small a room, there's really no space to setup the equipment and have a place to sit.